

ABSTRACT OF THE DISCLOSURE

A semiconductor device for receiving a plurality of input signals having different center amplitude levels without using an AC coupling circuit. The semiconductor device incorporates an input circuit, which includes receiving circuits and a detection circuit, and receives a plurality of input signals having different center amplitude levels in accordance with a connected external device. The receiving circuits have different signal determination levels. The detection circuit detects the center amplitude level of the input signal and generates a control signal. One of the receiving circuits is selectively validated by the control signal of the detection circuit, and the input signal is converted to an output signal having a certain level.